



**Minnesota Pollution
Control Agency**

520 Lafayette Road North
St. Paul, MN 55155-4194

MS4 SWPPP Application for Reauthorization

for the NPDES/SDS General Small Municipal Separate
Storm Sewer System (MS4) Permit MNR040000
reissued with an effective date of August 1, 2013
Stormwater Pollution Prevention Program (SWPPP) Document

Doc Type: Permit Application

Instructions: This application is for authorization to discharge stormwater associated with Municipal Separate Storm Sewer Systems (MS4s) under the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit Program. **No fee** is required with the submittal of this application. Please refer to "Example" for detailed instructions found on the Minnesota Pollution Control Agency (MPCA) MS4 website at <http://www.pca.state.mn.us/ms4>.

Submittal: This *MS4 SWPPP Application for Reauthorization* form must be submitted electronically via e-mail to the MPCA at ms4permitprogram.pca@state.mn.us from the person that is duly authorized to certify this form. All questions with an asterisk (*) are required fields. All applications will be returned if required fields are not completed.

Questions: Contact Claudia Hochstein at 651-757-2881 or claudia.hochstein@state.mn.us, Dan Miller at 651-757-2246 or daniel.miller@state.mn.us, or call toll-free at 800-657-3864.

General Contact Information (*Required fields)

MS4 Owner (with ownership or operational responsibility, or control of the MS4)

*MS4 permittee name: City of Andover *County: Anoka
(city, county, municipality, government agency or other entity)

*Mailing address: 1685 Crosstown Boulevard NW

*City: Andover *State: MN *Zip code: 55304

*Phone (including area code): (763) 755-5100 *E-mail: d.berkowitz@andovermn.gov

MS4 General contact (with Stormwater Pollution Prevention Program [SWPPP] implementation responsibility)

*Last name: Berkowitz *First name: David
(department head, MS4 coordinator, consultant, etc.)

*Title: Director of Public Works/City Engineer

*Mailing address: 1685 Crosstown Boulevard NW

*City: Andover *State: MN *Zip code: 55304

*Phone (including area code): (763) 755-5100 *E-mail: d.berkowitz@andovermn.gov

Preparer information (complete if SWPPP application is prepared by a party other than MS4 General contact)

Last name: Brander First name: Kent
(department head, MS4 coordinator, consultant, etc.)

Title: Principal Engineer

Mailing address: 1551 Livingston Avenue, Suite 104

City: West St. Paul State: MN Zip code: 55118

Phone (including area code): (763) 210-5713 E-mail: kent.brander@hydromethods.com

Verification

1. I seek to continue discharging stormwater associated with a small MS4 after the effective date of this Permit, and shall submit this *MS4 SWPPP Application for Reauthorization* form, in accordance with the schedule in Appendix A, Table 1, with the SWPPP document completed in accordance with the Permit (Part II.D.). ☒ Yes
2. I have read and understand the NPDES/SDS MS4 General Permit and certify that we intend to comply with all requirements of the Permit. ☒ Yes

Certification (All fields are required)

- ☒ Yes - I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted.

I certify that based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of civil and criminal penalties.

This certification is required by Minn. Stat. §§ 7001.0070 and 7001.0540. The authorized person with overall, MS4 legal responsibility must certify the application (principal executive officer or a ranking elected official).

By typing my name in the following box, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing my application.

Name: David D. Berkowitz

(This document has been electronically signed)

Title: Director of Public Works/City Engineer

Date (mm/dd/yyyy): 10/29/2013

Mailing address: 1685 Crosstown Boulevard NW

City: Andover

State: MN

Zip code: 55304

Phone (including area code): 763-767-5133

E-mail: d.berkowitz@andovermn.gov

Note: The application will not be
processed without certification.

Stormwater Pollution Prevention Program Document

I. Partnerships: (Part II.D.1)

- A. List the **regulated small MS4(s)** with which you have established a partnership in order to satisfy one or more requirements of this Permit. Indicate which Minimum Control Measure (MCM) requirements or other program components that each partnership helps to accomplish (List all that apply). Check the box below if you currently have no established partnerships with other regulated MS4s. If you have more than five partnerships, hit the tab key after the last line to generate a new row.

☐ No partnerships with regulated small MS4s

Name and description of partnership	MCM/Other permit requirements involved
Lower Rum River WMO – JPA includes cities of Andover, Anoka, Coon Rapids, and Ramsey The City participates in the Lower Rum River WMO through meetings, ongoing communication and coordination of water resources related activities.	MCMs 1,2,3,4,5,6
Coon Creek WD The City is aware of and involved with the activities of the Coon Creek WD, and coordinates their own water related activities accordingly. There is a cooperative relationship between the WD and the City.	MCMs 1,2,3,4,5,6
Anoka CD The City works, coordinates, and shares information with the Anoka CD on a variety of water related issues.	MCMs 1,2,3,4,5,6

- B. If you have additional information that you would like to communicate about your partnerships with other regulated small MS4(s), provide it in the space below, or include an attachment to the SWPPP Document, with the following file naming convention: *MS4NameHere_Partnerships*.

II. Description of Regulatory Mechanisms: (Part II.D.2)

Illicit discharges

- A. Do you have a regulatory mechanism(s) that effectively prohibits non-stormwater discharges into your small MS4, except those non-stormwater discharges authorized under the Permit (Part III.D.3.b.)? ☒ Yes ☐ No

1. If **yes**:

- a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☒ Ordinance ☐ Contract language
☐ Policy/Standards ☐ Permits
☐ Rules
☐ Other, explain: _____

- b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

Andover City Code, Title 10, Chapter 7

Direct link:

http://files.andovermn.net/pdfs/Clerk/CityCode/TITLE_10_Water_and_Sewer.pdf

☐ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming

convention: *MS4NameHere_IDDEreg*.

2. If **no**:

Describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

Construction site stormwater runoff control

A. Do you have a regulatory mechanism(s) that establishes requirements for erosion and sediment controls and waste controls? ☒ Yes ☐ No

1. If **yes**:

a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☒ Ordinance ☒ Contract language

☒ Policy/Standards ☐ Permits

☐ Rules

☒ Other, explain: Coon Creek Watershed District and Lower Rum River Watershed Management Organization rule coordination

b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

Andover City Code, Title 10, Chapter 6

Direct link:

http://files.andovermn.net/pdfs/Clerk/CityCode/TITLE_10_Water_and_Sewer.pdf

☐ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_CSWreg*.

B. Is your regulatory mechanism at least as stringent as the MPCA general permit to Discharge Stormwater Associated with Construction Activity (as of the effective date of the MS4 Permit)? ☒ Yes ☐ No

If you answered **yes** to the above question, proceed to C.

If you answered **no** to either of the above permit requirements listed in A. or B., describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

C. Answer **yes** or **no** to indicate whether your regulatory mechanism(s) requires owners and operators of construction activity to develop site plans that incorporate the following erosion and sediment controls and waste controls as described in the Permit (Part III.D.4.a.(1)-(8)), and as listed below:

- | | |
|--|---|
| 1. Best Management Practices (BMPs) to minimize erosion. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. BMPs to minimize the discharge of sediment and other pollutants. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. BMPs for dewatering activities. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Site inspections and records of rainfall events | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. BMP maintenance | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Management of solid and hazardous wastes on each project site. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Final stabilization upon the completion of construction activity, including the use of perennial vegetative cover on all exposed soils or other equivalent means. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Criteria for the use of temporary sediment basins. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

Post-construction stormwater management

A. Do you have a regulatory mechanism(s) to address post-construction stormwater management activities?

☒ Yes ☐ No

1. If **yes**:

a. Check which *type* of regulatory mechanism(s) your organization has (check all that apply):

☒ Ordinance ☒ Contract language

☒ Policy/Standards ☐ Permits

☐ Rules

☒ Other, explain: Coon Creek Watershed District rules for volume control

b. Provide either a direct link to the mechanism selected above or attach it as an electronic document to this form; or if your regulatory mechanism is either an Ordinance or a Rule, you may provide a citation:

Citation:

Andover City Code, Title 10, Chapter 6

Direct link:

http://files.andovermn.net/pdfs/Clerk/CityCode/TITLE_10_Water_and_Sewer.pdf

☐ Check here if attaching an electronic copy of your regulatory mechanism, with the following file naming convention: *MS4NameHere_PostCSWreg*.

B. Answer **yes** or **no** below to indicate whether you have a regulatory mechanism(s) in place that meets the following requirements as described in the Permit (Part III.D.5.a.):

1. **Site plan review:** Requirements that owners and/or operators of construction activity submit site plans with post-construction stormwater management BMPs to the permittee for review and approval, prior to start of construction activity. ☒ Yes ☐ No

2. **Conditions for post construction stormwater management:** Requires the use of any combination of BMPs, with highest preference given to Green Infrastructure techniques and practices (e.g., infiltration, evapotranspiration, reuse/harvesting, conservation design, urban forestry, green roofs, etc.), necessary to meet the following conditions on the site of a construction activity to the Maximum Extent Practicable (MEP):

a. For new development projects – no net increase from pre-project conditions (on an annual average basis) of: ☐ Yes ☒ No

- 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
- 2) Stormwater discharges of Total Suspended Solids (TSS).
- 3) Stormwater discharges of Total Phosphorus (TP).

b. For redevelopment projects – a net reduction from pre-project conditions (on an annual average basis) of: ☐ Yes ☒ No

- 1) Stormwater discharge volume, unless precluded by the stormwater management limitations in the Permit (Part III.D.5.a(3)(a)).
- 2) Stormwater discharges of TSS.
- 3) Stormwater discharges of TP.

3. **Stormwater management limitations and exceptions:**

a. Limitations

1) Prohibit the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) when the infiltration structural stormwater BMP will receive discharges from, or be constructed in areas: ☐ Yes ☒ No

- a) Where industrial facilities are not authorized to infiltrate industrial stormwater under an NPDES/SDS Industrial Stormwater Permit issued by the MPCA.
- b) Where vehicle fueling and maintenance occur.
- c) With less than three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils or the top of bedrock.
- d) Where high levels of contaminants in soil or groundwater will be mobilized by the infiltrating stormwater.

2) Restrict the use of infiltration techniques to achieve the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), without higher engineering review, sufficient to provide a functioning treatment system and prevent adverse impacts to groundwater, when the infiltration device will be constructed in areas: ☐ Yes ☒ No

- a) With predominately Hydrologic Soil Group D (clay) soils.
- b) Within 1,000 feet up-gradient, or 100 feet down-gradient of active karst features.
- c) Within a Drinking Water Supply Management Area (DWSMA) as defined in Minn. R. 4720.5100, subp. 13.

- d) Where soil infiltration rates are more than 8.3 inches per hour.
- 3) For linear projects where the lack of right-of-way precludes the installation of volume control practices that meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)), the permittee's regulatory mechanism(s) may allow exceptions as described in the Permit (Part III.D.5.a(3)(b)). The permittee's regulatory mechanism(s) shall ensure that a reasonable attempt be made to obtain right-of-way during the project planning process. ☐ Yes ☒ No
4. **Mitigation provisions:** The permittee's regulatory mechanism(s) shall ensure that any stormwater discharges of TSS and/or TP not addressed on the site of the original construction activity are addressed through mitigation and, at a minimum, shall ensure the following requirements are met:
- a. Mitigation project areas are selected in the following order of preference: ☐ Yes ☒ No
- 1) Locations that yield benefits to the same receiving water that receives runoff from the original construction activity.
 - 2) Locations within the same Minnesota Department of Natural Resource (DNR) catchment area as the original construction activity.
 - 3) Locations in the next adjacent DNR catchment area up-stream
 - 4) Locations anywhere within the permittee's jurisdiction.
- b. Mitigation projects must involve the creation of new structural stormwater BMPs or the retrofit of existing structural stormwater BMPs, or the use of a properly designed regional structural stormwater BMP. ☐ Yes ☒ No
- c. Routine maintenance of structural stormwater BMPs already required by this permit cannot be used to meet mitigation requirements of this part. ☐ Yes ☒ No
- d. Mitigation projects shall be completed within 24 months after the start of the original construction activity. ☐ Yes ☒ No
- e. The permittee shall determine, and document, who will be responsible for long-term maintenance on all mitigation projects of this part. ☐ Yes ☒ No
- f. If the permittee receives payment from the owner and/or operator of a construction activity for mitigation purposes in lieu of the owner or operator of that construction activity meeting the conditions for post-construction stormwater management in Part III.D.5.a(2), the permittee shall apply any such payment received to a public stormwater project, and all projects must be in compliance with Part III.D.5.a(4)(a)-(e). ☐ Yes ☒ No
5. **Long-term maintenance of structural stormwater BMPs:** The permittee's regulatory mechanism(s) shall provide for the establishment of legal mechanisms between the permittee and owners or operators responsible for the long-term maintenance of structural stormwater BMPs not owned or operated by the permittee, that have been implemented to meet the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)). This only includes structural stormwater BMPs constructed after the effective date of this permit and that are directly connected to the permittee's MS4, and that are in the permittee's jurisdiction. The legal mechanism shall include provisions that, at a minimum:
- a. Allow the permittee to conduct inspections of structural stormwater BMPs not owned or operated by the permittee, perform necessary maintenance, and assess costs for those structural stormwater BMPs when the permittee determines that the owner and/or operator of that structural stormwater BMP has not conducted maintenance. ☐ Yes ☒ No
- b. Include conditions that are designed to preserve the permittee's right to ensure maintenance responsibility, for structural stormwater BMPs not owned or operated by the permittee, when those responsibilities are legally transferred to another party. ☐ Yes ☒ No
- c. Include conditions that are designed to protect/preserve structural stormwater BMPs and site features that are implemented to comply with the Permit (Part III.D.5.a(2)). If site configurations or structural stormwater BMPs change, causing decreased structural stormwater BMP effectiveness, new or improved structural stormwater BMPs must be implemented to ensure the conditions for post-construction stormwater management in the Permit (Part III.D.5.a(2)) continue to be met. ☐ Yes ☒ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within twelve (12) months of the date permit coverage is extended, these permit requirements are met:

The current regulatory measures (Water Resources Management Plan, Developer's Handout, Engineering Review Checklist) generally address all the same goals as the items listed above. However, they will need to be modified in order to include the detailed requirements of the new Permit. This will mainly be a matter of adding or changing wording in the identified documents, ensuring consistency, and going through any necessary formal approval process the City may have in place. Also, the City is currently in the process of revising its Water Resources Management Plan, and it will be written in a manner to be consistent with these requirements. By the end of July 2014, all City policies that

require revision will be identified, and revised wording will be completed along with any necessary revisions and approvals.

III. Enforcement Response Procedures (ERPs): (Part II.D.3)

- A. Do you have existing ERPs that satisfy the requirements of the Permit (Part III.B.)? ☐ Yes ☒ No

1. If **yes**, attach them to this form as an electronic document, with the following file naming convention: *MS4NameHere_ERPs*.
2. If **no**, describe the tasks and corresponding schedules that will be taken to assure that, with twelve (12) months of the date permit coverage is extended, these permit requirements are met:

Written ERPs consistent with current policies and ordinances, and in accordance with the requirements of the Permit, will be developed by the City by the end of July 2014. If any formal approval is required, it will be obtained within that time frame. There are current enforcement procedures in place, and City ordinance has provisions for penalties in the case of violations.

- B. Describe your ERPs:

City ordinance outlines general enforcement procedures to be followed in the event of a violation of the illicit discharge and construction site runoff control ordinances. It does not explicitly address enforcement procedures related to issues with permanent stormwater management systems. In general, the goal of enforcement is to facilitate compliance rather than to penalize. The City provides specific instructions for correction of violations along with a reasonable timeline for bringing sites into compliance.

IV. Storm Sewer System Map and Inventory: (Part II.D.4.)

- A. Describe how you manage your storm sewer system map and inventory:

The storm sewer system map and inventory are managed using an integrated GIS system that can be updated and is accessible online for authorized users. The overview map shows the location of public and private storm mains as well as culverts, catch basins, manholes, detention/retention basins, and other system components. Additional information about each system component can be accessed directly by clicking on the item of interest. The map is linked to a database that includes basic component information as well as as-built plans, reports, and other relevant computer files. The map is regularly updated with new system information as it becomes available.

- B. Answer **yes** or **no** to indicate whether your storm sewer system map addresses the following requirements from the Permit (Part III.C.1.a-d), as listed below:

1. The permittee's entire small MS4 as a goal, but at a minimum, all pipes 12 inches or greater in diameter, including stormwater flow direction in those pipes. ☒ Yes ☐ No
2. Outfalls, including a unique identification (ID) number assigned by the permittee, and an associated geographic coordinate. ☒ Yes ☐ No
3. Structural stormwater BMPs that are part of the permittee's small MS4. ☐ Yes ☒ No
4. All receiving waters. ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

With regard to structural stormwater BMPs, detention and retention basins (representing the majority of structural stormwater BMPs) have been mapped on the current system. Other structural stormwater BMPs in the system should be added to the map. City staff will identify any existing structural stormwater BMPs and they will be added to the system by the end of July 2014. An inventory of municipal facilities with the potential to contribute pollutants to runoff will also be added to the system within that time frame.

- C. Answer **yes** or **no** to indicate whether you have completed the requirements of 2009 Minnesota Session Law, Ch. 172. Sec. 28: with the following inventories, according to the specifications of the Permit (Part III.C.2.a.-b.), including:

1. All ponds within the permittee's jurisdiction that are constructed and operated for purposes of water quality treatment, stormwater detention, and flood control, and that are used for the collection of stormwater via constructed conveyances. ☒ Yes ☐ No
2. All wetlands and lakes, within the permittee's jurisdiction, that collect stormwater via constructed conveyances. ☒ Yes ☐ No

- D. Answer **yes** or **no** to indicate whether you have completed the following information for each feature inventoried.

1. A unique identification (ID) number assigned by the permittee. ☒ Yes ☐ No
2. A geographic coordinate. ☒ Yes ☐ No
3. Type of feature (e.g., pond, wetland, or lake). This may be determined by using best professional judgment. ☒ Yes ☐ No

If you have answered **yes** to all above requirements, and you have already submitted the Pond Inventory Form to the MPCA, then you do not need to resubmit the inventory form below.

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

- E. Answer **yes** or **no** to indicate if you are attaching your pond, wetland and lake inventory to the MPCA ☒ Yes ☐ No on the form provided on the MPCA website at: <http://www.pca.state.mn.us/ms4>, according to the specifications of Permit (Part III.C.2.b.(1)-(3)). Attach with the following file naming convention: *MS4NameHere_inventory*.

If you answered **no**, the inventory form must be submitted to the MPCA MS4 Permit Program within 12 months of the date permit coverage is extended.

V. Minimum Control Measures (MCMs) (Part II.D.5)

A. MCM1: Public education and outreach

1. The Permit requires that, within 12 months of the date permit coverage is extended, existing permittees revise their education and outreach program that focuses on illicit discharge recognition and reporting, as well as other specifically selected stormwater-related issue(s) of high priority to the permittee during this permit term. Describe your **current** educational program, including **any high-priority topics included**:

The City of Andover has and will continue to facilitate an education program that is aimed at educating residents, businesses, contractors and City staff and officials about various storm water quality topics including hazards associated with illicit discharges, improper disposal of waste and volume management through a combination of but not limited to newsletter articles, announcements, presentations, meetings and during property evaluations. The goal is to improve all audiences' behavior to protect the quality and integrity of our water bodies.

2. List the categories of BMPs that address your public education and outreach program, including the distribution of educational materials and a program implementation plan. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the U.S. Environmental Protection Agency's (EPA) *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Storm Water Update Newsletter Articles/Distribute Educational Materials	Number of newsletter articles written and distributed on a quarterly basis (goal of 1 per quarter)
Local Cable Channel Announcements	Number of announcements produced and aired (goal of 1 per year)
Natural Resources-Related Consultations	Number of consultations (ongoing, as-needed)
City of Andover/4H Public Service Announcements	Number of PSAs produced and aired (goal of 1 per year)
Pre-construction Meetings for New Developments	Number of consultations (ongoing, as-needed)
Presentation to City Council	Meetings/presentations completed (1 per year)
Presentation to City Staff	Meetings/presentations completed (1 per year)
Coordination of Education Program	Number of collaborative efforts (ongoing, as-needed)
BMP categories to be implemented	Measurable goals and timeframes
Presentation to School Classrooms: The City will make an effort to contact area schools and give brief presentations on topics related to storm water quality issues to help students and teachers understand the importance of improving storm water quality.	Number of classroom presentations (goal of 2 per year)

3. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Kameron Kytonen (Natural Resources Technician); David Berkowitz (Director of Public Works/City Engineer)

B. MCM2: Public participation and involvement

1. The Permit (Part III.D.2.a.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement a public participation/involvement program to solicit public input on the SWPPP. Describe your current program:

The City of Andover has and will continue to implement an effective public participation and involvement program. As a baseline, the SWPPP document is easily found and accessed online, copies of the SWPPP are available at City Hall, and an annual meeting aimed at soliciting public input on the SWPPP is widely advertised at least 30 days ahead of the designated meeting time. The City welcomes comments, both written and oral before, during and after the meeting. Comments on the program are accepted at any time. Comments sheets at the meeting, and at the meeting the public is told that the City will consider the comments received and include them in the Annual Report. If people have input, the City does take that input into account and adjusts the SWPPP accordingly. Documentation of comments received, City responses, and information and announcements related to the public meetings is maintained in accordance with Permit guidelines.

2. List the categories of BMPs that address your public participation/involvement program, including solicitation and documentation of public input on the SWPPP. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Annual Public Meeting	Meetings held (1 per year)
SWPPP Availability/Accessibility	SWPPP online and available at City Hall (ongoing)
Documentation of Public Input	Number of comments received / responses given (as needed)
Adopt-a-Street	Number of streets adopted / volunteers participating (1 street/yr)
Planning and Zoning Commission	Number of reviews and approvals (ongoing, as needed)
Open Space Commission	Number of acres acquired/protected by agreement (ongoing, per opportunity)

BMP categories to be implemented	Measurable goals and timeframes
Adopt-a-pond: The City will coordinate an Adopt-A-Pond program to assist in keeping areas in and around the numerous storm water ponds free of debris and litter and to enhance the vegetation around the ponds. The City will promote this to Andover residents. It will give Andover residents an opportunity to improve storm water quality by picking up litter and/or planting native vegetation around the ponds.	Number of ponds adopted / volunteers participating (minimum 1 pond/yr)
Volunteer Tree Planting Projects: The City will coordinate tree planting projects by working with groups including but not limited to Eagle Scouts or 4H groups in our parks system to improve aesthetics, wildlife habitat and storm water quality.	Number of tree planting projects organized (minimum 1/yr)

3. Do you have a process for receiving and documenting citizen input? ☒ Yes ☐ No

If you answered **no** to the above permit requirement, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Kameron Kytonen (Natural Resources Technician); David Berkowitz (Director of Public Works/City Engineer)

C. MCM 3: Illicit discharge detection and elimination

1. The Permit (Part III.D.3.) requires that, within 12 months of the date permit coverage is extended, existing permittees revise their current program as necessary, and continue to implement and enforce a program to detect and eliminate illicit discharges into the small MS4. Describe your current program:

The City of Andover presently has personnel available on a normal working day basis and voice mail for residents to report illicit discharges, construction site sedimentation and erosion violations, other stormwater related issues and to provide comments on the SWPPP. City staff keeps thorough records of these complaints, and responds to the calls as needed. The City has an illicit discharge detection and enforcement ordinance in place that outlines in more detail the City's approach to identifying, addressing, and preventing these discharges to storm sewer. In general, when a complaint comes in, City staff will review the site, take photographs, and leave a notice or send a letter giving the owner a certain number of days to correct the problem. More urgent steps are taken if the violation is serious and/or needs immediate attention. Violators are advised that if they fail to comply, the City will correct the problem and they will be charged. A similar procedure is followed for Construction Site Runoff violations. Records are kept on an Excel spreadsheet and a "Complaints and Development Violations" hard copy.

2. Does your Illicit Discharge Detection and Elimination Program meet the following requirements, as found in the Permit (Part III.D.3.c.-g.)?

- | | |
|---|---|
| a. Incorporation of illicit discharge detection into all inspection and maintenance activities conducted under the Permit (Part III.D.6.e.-f.) Where feasible, illicit discharge inspections shall be conducted during dry-weather conditions (e.g., periods of 72 or more hours of no precipitation). | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| b. Detecting and tracking the source of illicit discharges using visual inspections. The permittee may also include use of mobile cameras, collecting and analyzing water samples, and/or other detailed procedures that may be effective investigative tools. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| c. Training of all field staff, in accordance with the requirements of the Permit (Part III.D.6.g.(2)), in illicit discharge recognition (including conditions which could cause illicit discharges), and reporting illicit discharges for further investigation. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| d. Identification of priority areas likely to have illicit discharges, including at a minimum, evaluating land use associated with business/industrial activities, areas where illicit discharges have been identified in the past, and areas with storage of large quantities of significant materials that could result in an illicit discharge. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| e. Procedures for the timely response to known, suspected, and reported illicit discharges. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| f. Procedures for investigating, locating, and eliminating the source of illicit discharges. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| g. Procedures for responding to spills, including emergency response procedures to prevent spills from entering the small MS4. The procedures shall also include the immediate notification of the Minnesota Department of Public Safety Duty Officer, if the source of the illicit discharge is a spill or leak as defined in Minn. Stat. § 115.061. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| h. When the source of the illicit discharge is found, the permittee shall use the ERPs required by the Permit (Part III.B.) to eliminate the illicit discharge and require any needed corrective action(s). | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

Relevant City procedures will be codified and/or modified in order to reflect the illicit discharge program requirements. In several cases the procedures are in place but may not be entirely written, or may involve written policies and procedures from multiple departments/documents. For example, emergency spill response procedures (1. Call comes in; 2. Respond/evaluate; 3. Act accordingly; 4. Call Hazmat) are in place in the City Fire Department. The various relevant procedures will be brought together into one place and included (at minimum) within the City's Surface Water Management Plan. Procedures will be completed by the end of July 2014. If it is considered necessary, changes will be incorporated into the City ordinance. As indicated in Section III above, ERPs will be written in conformance with the requirements of the Permit by the end of July 2014, with ordinance modifications to be completed as necessary within the same time frame.

3. List the categories of BMPs that address your illicit discharge, detection and elimination program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the

BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Illicit Discharge Reporting System	Reports received and responded to (ongoing, as-needed)
Illicit Discharge Ordinance	Ensure full compliance with revised MS4 Permit (1 year)
Post Construction Septic System Maintenance	Maintenance reports submitted (2 per year)
Conducting Camera Tests	Length of storm sewer televised; number of resulting work orders; number of violations addressed (ongoing)
Sanitary Sewer Maintenance	Miles of sewer televised/cleaned; number of improper discharges detected/addressed (ongoing, 20% per year)
BMP categories to be implemented	Measurable goals and timeframes
Illicit Discharge Training Program Improvements	All field employees trained and training documented in 1 year
Illicit Discharge Priority Area Map	Map completed by end of July 2014
Emergency Response Procedures	Procedures identified/written/gathered together by end of July 2014
Enforcement Response Procedures	Written enforcement response procedures completed by end of July 2014

4. Do you have procedures for record-keeping within your Illicit Discharge Detection and Elimination (IDDE) program as specified within the Permit (Part III.D.3.h.)? ☐ Yes ☒ No

If you answered **no**, indicate how you will develop procedures for record-keeping of your Illicit Discharge, Detection and Elimination Program, within 12 months of the date permit coverage is extended:

An electronic and hard-copy list of illicit discharges is kept up to date. It just needs to be modified to ensure that it includes all the information required by the Permit. Record-keeping procedures and modified forms will be developed along with the ERPs, in accordance with the Permit requirements. The record-keeping procedures currently in place will be documented.

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Kameron Kytönen (Natural Resources Technician); David Berkowitz (Director of Public Works/City Engineer)

D. MCM 4: Construction site stormwater runoff control

1. The Permit (Part III.D.4) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a construction site stormwater runoff control program. Describe your current program:

The City of Andover has an established program and policies that effectively control construction site stormwater and provide for the necessary inspection and enforcement measures. At the core of the program, the City has an ordinance in place that outlines the requirements for construction site stormwater runoff control, including requiring the Contractor to obtain all the necessary permits from the MPCA and abide by all the requirements set forth in the General Stormwater Permit for Construction Activity. In addition, building inspectors and other City staff are trained to identify concerns with construction site stormwater runoff and to verify compliance with the Permit. Special consideration is also given to areas prone to runoff pollution concerns including floodplains and shoreland.

For routine construction site inspections, an "Active Development Inspections" form is kept updated and on hand. Currently, inspections are conducted more on an as-needed basis rather than on a specific schedule. This is one area that will be improved as part of the compliance process. Currently, if a violation is reported in an active construction site (e.g., sand in the streets), the owner will be notified of the issue via phone call, email, or letter, and they will be given a deadline for correcting the issue. If they fail to comply, the City may hold permits or Certificates of Occupancy, or just correct the problem and bill the owner.

2. Does your program address the following BMPs for construction stormwater erosion and sediment control as required in the Permit (Part III.D.4.b.):
- Have you established written procedures for site plan reviews that you conduct prior to the start of construction activity? ☒ Yes ☐ No
 - Does the site plan review procedure include notification to owners and operators proposing construction activity that they need to apply for and obtain coverage under the MPCA's general permit to *Discharge Stormwater Associated with Construction Activity No. MN R100001*? ☒ Yes ☐ No
 - Does your program include written procedures for receipt and consideration of reports of ☒ Yes ☐ No

noncompliance or other stormwater related information on construction activity submitted by the public to the permittee?

- d. Have you included written procedures for the following aspects of site inspections to determine compliance with your regulatory mechanism(s):
- 1) Does your program include procedures for identifying priority sites for inspection? ☒ Yes ☐ No
 - 2) Does your program identify a frequency at which you will conduct construction site inspections? ☒ Yes ☐ No
 - 3) Does your program identify the names of individual(s) or position titles of those responsible for conducting construction site inspections? ☒ Yes ☐ No
 - 4) Does your program include a checklist or other written means to document construction site inspections when determining compliance? ☒ Yes ☐ No
- e. Does your program document and retain construction project name, location, total acreage to be disturbed, and owner/operator information? ☒ Yes ☐ No
- f. Does your program document stormwater-related comments and/or supporting information used to determine project approval or denial? ☒ Yes ☐ No
- g. Does your program retain construction site inspection checklists or other written materials used to document site inspections? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

The construction site inspection program currently addresses all water quality protection needs, but additional documentation and record-keeping measures will be added in order to bring the program into full compliance with the Permit. Documentation to that effect will be finalized by July 2014.

3. List the categories of BMPs that address your construction site stormwater runoff control program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Construction Site Runoff Ordinance	Sites stabilized (ongoing); inspections completed (as-needed)
Floodplain Regulation	Permits issued/compliance verified (ongoing, as-needed)
Shoreland Protection	Shoreland developments/compliance verified (ongoing, as-needed)
Procedure for Site Plan Review	Number of plans reviewed (ongoing, as-needed)
Building Inspections	Number of inspections performed (ongoing, as-needed)
Construction Site Runoff Violation Reporting System	Reports received and responded to (ongoing, as-needed)
Development and Re-Development Plan Review Program	Number of plans reviewed (ongoing, as-needed)
BMP categories to be implemented	Measurable goals and timeframes
Construction Site Inspection Program Updates (written procedures and schedules)	Required procedures instituted by July 2014

4. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Kameron Kytönen (Natural Resources Technician); David Berkowitz (Director of Public Works/City Engineer)

E. MCM 5: Post-construction stormwater management

1. The Permit (Part III.D.5.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement and enforce a post-construction stormwater

management program. Describe your current program:

There are a number of documents and procedures in place that together ensure an effective post-construction stormwater management program. The City Water Resource Management Plan includes a developers' handout that lists numerous design requirements for post-construction stormwater management systems. Post-construction (permanent) stormwater management measures are also called out in the MPCA Construction Stormwater Permit, which is referenced directly in City Ordinance. There is also a plan review checklist, based on the requirements, that facilitates review of site plans for a number of areas of concern, and post-construction stormwater management systems are included there as well. A permit from the jurisdictional watershed agency (either Lower Rum River WMO or Coon Creek WD) is required for development.

2. Have you established written procedures for site plan reviews that you will conduct prior to the start of construction activity? ☒ Yes ☐ No
3. Answer **yes** or **no** to indicate whether you have the following listed procedures for documentation of post-construction stormwater management according to the specifications of Permit (Part III.D.5.c.):
- a. Any supporting documentation that you use to determine compliance with the Permit (Part III.D.5.a), including the project name, location, owner and operator of the construction activity, any checklists used for conducting site plan reviews, and any calculations used to determine compliance? ☒ Yes ☐ No
- b. All supporting documentation associated with mitigation projects that you authorize? ☒ Yes ☐ No
- c. Payments received and used in accordance with Permit (Part III.D.5.a.(4)(f))? ☒ Yes ☐ No
- d. All legal mechanisms drafted in accordance with the Permit (Part III.D.5.a.(5)), including date(s) of the agreement(s) and names of all responsible parties involved? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements, describe the steps that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met.

There are documentation procedures in place; if they need to be modified in order to incorporate new Permit requirements, changes will be completed within 12 months of the date permit coverage is extended.

4. List the categories of BMPs that address your post-construction stormwater management program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. Refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>). **If you have more than five categories**, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Storm Water Ponds	Ponds constructed/compliance verified (ongoing, as-needed)
Structural/Non-structural BMP's	BMPs constructed/compliance verified (ongoing, as-needed)
Water Resources Management Plan	Compliant development sites (ongoing, as-needed)
Buffer Strip Ordinance	Compliant buffer sites (ongoing, as-needed)
Stabilization Sodding or Seeding	Number of grading inspections; number of compliant development sites (ongoing, as-needed)

BMP categories to be implemented	Measurable goals and timeframes
Post Construction Runoff Ordinance Update	Ordinance complete and in compliance with Permit (one year)
Rain Gardens: the City will provide information and be supportive of rain gardens as a BMP where appropriate	Number of rain gardens implemented (ongoing, as-needed)

5. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Kameron Kytonen (Natural Resources Technician); David Berkowitz (Director of Public Works/City Engineer)

F. MCM 6: Pollution prevention/good housekeeping for municipal operations

1. The Permit (Part III.D.6.) requires that, within 12 months of the date permit coverage is extended, existing permittees shall revise their current program, as necessary, and continue to implement an operations and maintenance program that prevents or reduces the discharge of pollutants from the permittee owned/operated facilities and operations to the small MS4. Describe your current program:

2. Do you have a facilities inventory as outlined in the Permit (Part III.D.6.a.)? ☐ Yes ☒ No

3. If you answered **no** to the above permit requirement in question 2, describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, this permit requirement is met:

An inventory of municipal facilities will be completed as outlined in the Permit. The inventory will be added to the overall map of the City's storm sewer and stormwater management system. It will be completed by the end of July, 2014.

4. List the categories of BMPs that address your pollution prevention/good housekeeping for municipal operations program. Use the first table for categories of BMPs that you have established and the second table for categories of BMPs that you plan to implement over the course of the permit term.

Include the measurable goals with appropriate timeframes that each BMP category will be implemented and completed. In addition, provide interim milestones and the frequency of action in which the permittee will implement and/or maintain the BMPs. For an explanation of measurable goals, refer to the EPA's *Measurable Goals Guidance for Phase II Small MS4s* (<http://www.epa.gov/npdes/pubs/measurablegoals.pdf>).

If you have more than five categories, hit the tab key after the last line to generate a new row.

Established BMP categories	Measurable goals and timeframes
Park and Open Space Fertilizer/Chemical Application Licensing Program	Number of licensed applicators (ongoing, as-needed)
Municipal Operations and Maintenance Program	Number of employees trained; number of vehicles inspected (ongoing, as-needed)
Storm Water System Maintenance Training Program	Number of employees trained (ongoing, as-needed)
Automobile Maintenance Program	Number of employees trained; number of vehicles inspected (ongoing, as-needed)
Parking Lot and Street Cleaning	Number of employees trained per year; Number of lane miles swept; Number of parking lots swept (all streets swept twice per year)
Storm Drain System Cleaning	Number of sumps cleaned each year; Miles of storm sewer pipe cleaned each year (20% of system cleaned per year)
Inspection of Structural Pollution Control Devices	Number of devices inspected/reports made (20% of system per year)
Wellhead Protection Plan	Number of protection BMPs implemented (ongoing, as-needed)
Nondegradation Plan	Compliance with Nondegradation Requirements
BMP categories to be implemented	Measurable goals and timeframes
Road Salt Materials Management Program	Amount of road salt applied each year; Number of employees trained per year in road salt management and application rates (ongoing, as-needed)
Pond/outfall inspection	Number of ponds/outfalls inspected (20% of system per year)

5. Does discharge from your MS4 affect a Source Water Protection Area (Permit Part III.D.6.c.)? ☒ Yes ☐ No

a. If **no**, continue to 6.

- b. If **yes**, the Minnesota Department of Health (MDH) is in the process of mapping the following items. Maps are available at <http://www.health.state.mn.us/divs/eh/water/swp/maps/index.htm>. Is a map including the following items available for your MS4:

- 1) Wells and source waters for drinking water supply management areas identified as vulnerable under Minn. R. 4720.5205, 4720.5210, and 4720.5330? ☒ Yes ☐ No

- 2) Source water protection areas for surface intakes identified in the source water ☒ Yes ☐ No

- C. Have you developed and implemented BMPs to protect any of the above drinking water sources? ☒ Yes ☐ No
6. Have you developed procedures and a schedule for the purpose of determining the TSS and TP treatment effectiveness of all permittee owned/operated ponds constructed and used for the collection and treatment of stormwater, according to the Permit (Part III.D.6.d.)? ☐ Yes ☒ No
7. Do you have inspection procedures that meet the requirements of the Permit (Part III.D.6.e.(1)-(3)) for structural stormwater BMPs, ponds and outfalls, and stockpile, storage and material handling areas? ☒ Yes ☐ No
8. Have you developed and implemented a stormwater management training program commensurate with each employee's job duties that:
- a. Addresses the importance of protecting water quality? ☒ Yes ☐ No
- b. Covers the requirements of the permit relevant to the duties of the employee? ☒ Yes ☐ No
- c. Includes a schedule that establishes initial training for new and/or seasonal employees and recurring training intervals for existing employees to address changes in procedures, practices, techniques, or requirements? ☒ Yes ☐ No
9. Do you keep documentation of inspections, maintenance, and training as required by the Permit (Part III.D.6.h.(1)-(5))? ☒ Yes ☐ No

If you answered **no** to any of the above permit requirements listed in **Questions 5 – 9**, then describe the tasks and corresponding schedules that will be taken to assure that, within 12 months of the date permit coverage is extended, these permit requirements are met:

By the end of July 2014, inspection procedures and the training program/schedule already in place will be updated to reflect new Permit requirements. Within the same time frame, procedures and a schedule for determining TP and TSS treatment effectiveness of stormwater ponds will be developed. They will be documented in the main components of the overall City stormwater management program, including the updated SWMP which the City is currently working on.

10. Provide the name or the position title of the individual(s) who is responsible for implementing and/or coordinating this MCM:

Kameron Kytönen (Natural Resources Technician); David Berkowitz (Director of Public Works/City Engineer)

VI. Compliance Schedule for an Approved Total Maximum Daily Load (TMDL) with an Applicable Waste Load Allocation (WLA) (Part II.D.6.)

- A. Do you have an approved TMDL with a Waste Load Allocation (WLA) prior to the effective date of the Permit? ☐ Yes ☒ No
1. If **no**, continue to section VII.
2. If **yes**, fill out and attach the MS4 Permit TMDL Attachment Spreadsheet with the following naming convention: *MS4NameHere_TMDL*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

VII. Alum or Ferric Chloride Phosphorus Treatment Systems (Part II.D.7.)

- A. Do you own and/or operate any Alum or Ferric Chloride Phosphorus Treatment Systems which are regulated by this Permit (Part III.F.)? ☐ Yes ☒ No
1. If **no**, this section requires no further information.
2. If **yes**, you own and/or operate an Alum or Ferric Chloride Phosphorus Treatment System within your small MS4, then you must submit the Alum or Ferric Chloride Phosphorus Treatment Systems Form supplement to this document, with the following naming convention: *MS4NameHere_TreatmentSystem*.

This form is found on the MPCA MS4 website: <http://www.pca.state.mn.us/ms4>.

VIII. Add any Additional Comments to Describe Your Program



**Minnesota Pollution
Control Agency**

520 Lafayette Road North
St. Paul, MN 55155-4194

MS4 Pond, Wetland, and Lake Inventory Form

Municipal Separate Storm Sewer System (MS4) Program

Doc Type: Plans/Specifications/Maps

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB5	Lake	Crooked Lake	45.214852	-93.343100
City of Andover	10/14/13	ANDWB2303	Wetland		45.235289	-93.306910
City of Andover	10/14/13	ANDWB2322	Wetland		45.227156	-93.361840
City of Andover	10/14/13	ANDWB2279	Pond		45.246072	-93.306785
City of Andover	10/14/13	ANDWB2280	Pond		45.246770	-93.306776
City of Andover	10/14/13	ANDWB2328	Wetland		45.227102	-93.273767
City of Andover	10/14/13	ANDWB2260	Wetland		45.255937	-93.292652
City of Andover	10/14/13	ANDWB2282	Pond		45.244857	-93.310051
City of Andover	10/14/13	ANDWB2285	Pond		45.246613	-93.318780
City of Andover	10/14/13	ANDWB2311	Wetland		45.231327	-93.309367
City of Andover	10/14/13	ANDWB2312	Wetland		45.234518	-93.321849
City of Andover	10/14/13	ANDWB2314	Pond		45.229968	-93.321301
City of Andover	10/14/13	ANDWB2318	Wetland		45.233223	-93.354558
City of Andover	10/14/13	ANDWB1584	Pond		45.261117	-93.296305
City of Andover	10/14/13	ANDWB2252	Wetland		45.261979	-93.375279
City of Andover	10/14/13	ANDWB2261	Wetland		45.250837	-93.291513
City of Andover	10/14/13	ANDWB2264	Wetland		45.250281	-93.375090
City of Andover	10/14/13	ANDWB2284	Pond		45.244920	-93.313138
City of Andover	10/14/13	ANDWB2306	Pond		45.231176	-93.273132
City of Andover	10/14/13	ANDWB2319	Wetland		45.230784	-93.352862
City of Andover	10/14/13	ANDWB2321	Wetland		45.230746	-93.362559
City of Andover	10/14/13	ANDWB2324	Wetland		45.233785	-93.370915
City of Andover	10/14/13	ANDWB2325	Wetland		45.227009	-93.367042
City of Andover	10/14/13	ANDWB2329	Wetland		45.223776	-93.289881
City of Andover	10/14/13	ANDWB2243	Wetland		45.254635	-93.301122
City of Andover	10/14/13	ANDWB2330	Wetland		45.222675	-93.309824
City of Andover	10/14/13	ANDWB2350	Wetland		45.215601	-93.316448
City of Andover	10/14/13	ANDWB2358	Wetland		45.212730	-93.312225
City of Andover	10/14/13	ANDWB2286	Wetland		45.243516	-93.326088
City of Andover	10/14/13	ANDWB2332	Wetland		45.221095	-93.361974
City of Andover	10/14/13	ANDWB2341	Wetland		45.221593	-93.289149
City of Andover	10/14/13	ANDWB2338	Wetland		45.221642	-93.325880
City of Andover	10/14/13	ANDWB2239	Wetland		45.259383	-93.288069
City of Andover	10/14/13	ANDWB2263	Wetland		45.278718	-93.326726

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB2272	Wetland		45.256218	-93.315891
City of Andover	10/14/13	ANDWB2372	Wetland		45.273942	-93.357712
City of Andover	10/14/13	ANDWB1607	Pond		45.250001	-93.366342
City of Andover	10/14/13	ANDWB868	Pond		45.240300	-93.385401
City of Andover	10/14/13	ANDWB2277	Pond		45.250522	-93.269026
City of Andover	10/14/13	ANDWB2403	Pond		45.279123	-93.320288
City of Andover	10/14/13	ANDWB2227	Pond		45.266197	-93.357238
City of Andover	10/14/13	ANDWB2404	Wetland		45.278940	-93.319942
City of Andover	10/14/13	ANDWB2411	Wetland		45.261167	-93.295050
City of Andover	10/14/13	ANDWB2244	Wetland		45.268497	-93.332262
City of Andover	10/14/13	ANDWB123	Wetland		45.222086	-93.267840
City of Andover	10/14/13	ANDWB2297	Lake	Round Lake	45.239823	-93.356834
City of Andover	10/14/13	ANDWB2218	Wetland		45.288042	-93.318630
City of Andover	10/14/13	ANDWB2219	Pond		45.265077	-93.288361
City of Andover	10/14/13	ANDWB2220	Wetland		45.265307	-93.288867
City of Andover	10/14/13	ANDWB2228	Wetland		45.267044	-93.295880
City of Andover	10/14/13	ANDWB301	Pond		45.228795	-93.348971
City of Andover	10/14/13	ANDWB336	Pond		45.220104	-93.343705
City of Andover	10/14/13	ANDWB338	Pond		45.217448	-93.318221
City of Andover	10/14/13	ANDWB346	Pond		45.218061	-93.323639
City of Andover	10/14/13	ANDWB353	Pond		45.225730	-93.275924
City of Andover	10/14/13	ANDWB358	Pond		45.242525	-93.383533
City of Andover	10/14/13	ANDWB381	Pond		45.266723	-93.394502
City of Andover	10/14/13	ANDWB2233	Pond		45.263971	-93.301177
City of Andover	10/14/13	ANDWB389	Pond		45.252506	-93.371635
City of Andover	10/14/13	ANDWB398	Pond		45.252157	-93.350211
City of Andover	10/14/13	ANDWB414	Pond		45.251427	-93.294147
City of Andover	10/14/13	ANDWB429	Pond		45.249377	-93.329835
City of Andover	10/14/13	ANDWB430	Pond		45.248712	-93.329271
City of Andover	10/14/13	ANDWB437	Pond		45.249137	-93.363332
City of Andover	10/14/13	ANDWB438	Pond		45.249942	-93.362845
City of Andover	10/14/13	ANDWB439	Pond		45.247827	-93.363791
City of Andover	10/14/13	ANDWB456	Pond		45.248203	-93.315579
City of Andover	10/14/13	ANDWB487	Pond		45.271046	-93.347896
City of Andover	10/14/13	ANDWB2235	Wetland		45.259360	-93.283094
City of Andover	10/14/13	ANDWB2236	Wetland		45.259690	-93.282978
City of Andover	10/14/13	ANDWB2237	Wetland		45.259727	-93.282630
City of Andover	10/14/13	ANDWB2245	Pond		45.264898	-93.321802
City of Andover	10/14/13	ANDWB2247	Wetland		45.267429	-93.318101
City of Andover	10/14/13	ANDWB2256	Wetland		45.259232	-93.315688

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB514	Pond		45.268963	-93.285084
City of Andover	10/14/13	ANDWB2258	Wetland		45.256520	-93.298706
City of Andover	10/14/13	ANDWB2259	Wetland		45.256569	-93.301722
City of Andover	10/14/13	ANDWB629	Pond		45.268407	-93.389750
City of Andover	10/14/13	ANDWB633	Pond		45.264129	-93.369669
City of Andover	10/14/13	ANDWB640	Pond		45.263200	-93.347952
City of Andover	10/14/13	ANDWB647	Pond		45.263381	-93.303436
City of Andover	10/14/13	ANDWB880	Pond		45.237600	-93.321543
City of Andover	10/14/13	ANDWB881	Pond		45.236601	-93.321032
City of Andover	10/14/13	ANDWB1000	Pond		45.252935	-93.312039
City of Andover	10/14/13	ANDWB1293	Pond		45.229150	-93.305660
City of Andover	10/14/13	ANDWB1294	Pond		45.234642	-93.305312
City of Andover	10/14/13	ANDWB1295	Pond		45.244937	-93.312455
City of Andover	10/14/13	ANDWB1296	Pond		45.244809	-93.310782
City of Andover	10/14/13	ANDWB1297	Pond		45.241496	-93.326095
City of Andover	10/14/13	ANDWB1298	Pond		45.241044	-93.322415
City of Andover	10/14/13	ANDWB1299	Pond		45.242308	-93.320314
City of Andover	10/14/13	ANDWB1301	Pond		45.243572	-93.320210
City of Andover	10/14/13	ANDWB1302	Pond		45.245353	-93.319594
City of Andover	10/14/13	ANDWB1303	Pond		45.245130	-93.323912
City of Andover	10/14/13	ANDWB1304	Pond		45.247473	-93.324874
City of Andover	10/14/13	ANDWB1305	Pond		45.247428	-93.318990
City of Andover	10/14/13	ANDWB1306	Pond		45.248881	-93.322482
City of Andover	10/14/13	ANDWB1307	Pond		45.250147	-93.322480
City of Andover	10/14/13	ANDWB1308	Pond		45.253732	-93.320868
City of Andover	10/14/13	ANDWB1423	Pond		45.275016	-93.401771
City of Andover	10/14/13	ANDWB1424	Pond		45.274363	-93.397983
City of Andover	10/14/13	ANDWB1425	Pond		45.274648	-93.404323
City of Andover	10/14/13	ANDWB1427	Pond		45.256553	-93.381054
City of Andover	10/14/13	ANDWB1434	Pond		45.228792	-93.270770
City of Andover	10/14/13	ANDWB1437	Pond		45.229340	-93.269976
City of Andover	10/14/13	ANDWB1439	Pond		45.229500	-93.267247
City of Andover	10/14/13	ANDWB663	Pond		45.259378	-93.285158
City of Andover	10/14/13	ANDWB706	Pond		45.283535	-93.391225
City of Andover	10/14/13	ANDWB779	Pond		45.281752	-93.359200
City of Andover	10/14/13	ANDWB877	Pond		45.239299	-93.347827
City of Andover	10/14/13	ANDWB896	Pond		45.236815	-93.348684
City of Andover	10/14/13	ANDWB904	Pond		45.230940	-93.333108
City of Andover	10/14/13	ANDWB905	Pond		45.234678	-93.329882
City of Andover	10/14/13	ANDWB933	Pond		45.232995	-93.313333

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB959	Pond		45.256285	-93.301845
City of Andover	10/14/13	ANDWB960	Pond		45.256909	-93.299919
City of Andover	10/14/13	ANDWB987	Pond		45.254552	-93.294604
City of Andover	10/14/13	ANDWB995	Pond		45.253735	-93.300108
City of Andover	10/14/13	ANDWB997	Pond		45.255392	-93.302170
City of Andover	10/14/13	ANDWB999	Pond		45.251907	-93.305752
City of Andover	10/14/13	ANDWB1040	Pond		45.228646	-93.272554
City of Andover	10/14/13	ANDWB1044	Pond		45.225402	-93.295001
City of Andover	10/14/13	ANDWB1045	Pond		45.224479	-93.312802
City of Andover	10/14/13	ANDWB1046	Pond		45.224646	-93.311427
City of Andover	10/14/13	ANDWB1047	Pond		45.222994	-93.309882
City of Andover	10/14/13	ANDWB1053	Pond		45.221901	-93.329955
City of Andover	10/14/13	ANDWB1076	Pond		45.219879	-93.350177
City of Andover	10/14/13	ANDWB1077	Pond		45.219909	-93.337041
City of Andover	10/14/13	ANDWB1080	Pond		45.219192	-93.335619
City of Andover	10/14/13	ANDWB1107	Pond		45.289078	-93.324127
City of Andover	10/14/13	ANDWB1112	Pond		45.223760	-93.343311
City of Andover	10/14/13	ANDWB1115	Pond		45.217055	-93.329737
City of Andover	10/14/13	ANDWB1139	Pond		45.287963	-93.387738
City of Andover	10/14/13	ANDWB1140	Pond		45.284406	-93.399120
City of Andover	10/14/13	ANDWB1147	Pond		45.280874	-93.389235
City of Andover	10/14/13	ANDWB1149	Pond		45.277904	-93.391189
City of Andover	10/14/13	ANDWB1151	Pond		45.260136	-93.394126
City of Andover	10/14/13	ANDWB1152	Pond		45.259501	-93.393145
City of Andover	10/14/13	ANDWB1153	Pond		45.259156	-93.390803
City of Andover	10/14/13	ANDWB1156	Pond		45.295795	-93.358227
City of Andover	10/14/13	ANDWB1158	Pond		45.289874	-93.364257
City of Andover	10/14/13	ANDWB1159	Pond		45.288137	-93.360199
City of Andover	10/14/13	ANDWB1160	Pond		45.286982	-93.365834
City of Andover	10/14/13	ANDWB1161	Pond		45.284741	-93.360699
City of Andover	10/14/13	ANDWB1162	Pond		45.279228	-93.364320
City of Andover	10/14/13	ANDWB1163	Pond		45.280007	-93.363751
City of Andover	10/14/13	ANDWB1164	Pond		45.280463	-93.361237
City of Andover	10/14/13	ANDWB1165	Pond		45.279949	-93.359235
City of Andover	10/14/13	ANDWB1166	Pond		45.276737	-93.363330
City of Andover	10/14/13	ANDWB1167	Pond		45.274783	-93.360340
City of Andover	10/14/13	ANDWB1168	Pond		45.274021	-93.369835
City of Andover	10/14/13	ANDWB1169	Pond		45.273090	-93.356115
City of Andover	10/14/13	ANDWB1170	Pond		45.273027	-93.350214
City of Andover	10/14/13	ANDWB1172	Pond		45.271655	-93.346124

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB1173	Pond		45.272198	-93.342409
City of Andover	10/14/13	ANDWB1174	Pond		45.269081	-93.341266
City of Andover	10/14/13	ANDWB1175	Pond		45.268487	-93.341580
City of Andover	10/14/13	ANDWB1176	Pond		45.264474	-93.341907
City of Andover	10/14/13	ANDWB1178	Pond		45.267642	-93.351658
City of Andover	10/14/13	ANDWB1179	Pond		45.264668	-93.348387
City of Andover	10/14/13	ANDWB1180	Pond		45.262032	-93.356287
City of Andover	10/14/13	ANDWB1181	Pond		45.262172	-93.358161
City of Andover	10/14/13	ANDWB1182	Pond		45.262989	-93.366819
City of Andover	10/14/13	ANDWB1183	Pond		45.261442	-93.364060
City of Andover	10/14/13	ANDWB1184	Pond		45.260530	-93.366297
City of Andover	10/14/13	ANDWB1185	Pond		45.258268	-93.367667
City of Andover	10/14/13	ANDWB1186	Pond		45.259784	-93.358165
City of Andover	10/14/13	ANDWB1187	Pond		45.268495	-93.337130
City of Andover	10/14/13	ANDWB1188	Pond		45.276683	-93.337207
City of Andover	10/14/13	ANDWB1189	Pond		45.283649	-93.351486
City of Andover	10/14/13	ANDWB1190	Pond		45.289825	-93.349799
City of Andover	10/14/13	ANDWB1191	Pond		45.279578	-93.317797
City of Andover	10/14/13	ANDWB1192	Pond		45.279787	-93.320162
City of Andover	10/14/13	ANDWB1193	Pond		45.278902	-93.319561
City of Andover	10/14/13	ANDWB1194	Pond		45.278430	-93.319053
City of Andover	10/14/13	ANDWB1196	Pond		45.280269	-93.322744
City of Andover	10/14/13	ANDWB1197	Pond		45.277853	-93.326719
City of Andover	10/14/13	ANDWB1198	Pond		45.294760	-93.302654
City of Andover	10/14/13	ANDWB1199	Pond		45.291178	-93.295697
City of Andover	10/14/13	ANDWB1200	Pond		45.261434	-93.314084
City of Andover	10/14/13	ANDWB1202	Pond		45.269628	-93.328826
City of Andover	10/14/13	ANDWB1203	Pond		45.258521	-93.325917
City of Andover	10/14/13	ANDWB1204	Pond		45.256803	-93.323257
City of Andover	10/14/13	ANDWB1205	Pond		45.257362	-93.318608
City of Andover	10/14/13	ANDWB1206	Pond		45.256804	-93.316871
City of Andover	10/14/13	ANDWB1207	Pond		45.262227	-93.303204
City of Andover	10/14/13	ANDWB1208	Pond		45.260424	-93.305421
City of Andover	10/14/13	ANDWB1209	Pond		45.259159	-93.305655
City of Andover	10/14/13	ANDWB1210	Pond		45.258424	-93.305560
City of Andover	10/14/13	ANDWB1211	Pond		45.259616	-93.302176
City of Andover	10/14/13	ANDWB1212	Pond		45.259966	-93.300876
City of Andover	10/14/13	ANDWB1214	Pond		45.261548	-93.296609
City of Andover	10/14/13	ANDWB1215	Pond		45.259168	-93.297054
City of Andover	10/14/13	ANDWB1218	Pond		45.259372	-93.293107

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB1219	Pond		45.279820	-93.285945
City of Andover	10/14/13	ANDWB1220	Pond		45.279676	-93.285213
City of Andover	10/14/13	ANDWB1221	Pond		45.275781	-93.285166
City of Andover	10/14/13	ANDWB1222	Pond		45.286279	-93.268157
City of Andover	10/14/13	ANDWB1223	Pond		45.285116	-93.269889
City of Andover	10/14/13	ANDWB1228	Pond		45.264535	-93.266301
City of Andover	10/14/13	ANDWB1229	Pond		45.261105	-93.267526
City of Andover	10/14/13	ANDWB1231	Pond		45.251691	-93.375422
City of Andover	10/14/13	ANDWB1232	Pond		45.251516	-93.373301
City of Andover	10/14/13	ANDWB1234	Pond		45.251004	-93.368175
City of Andover	10/14/13	ANDWB1236	Pond		45.248320	-93.368280
City of Andover	10/14/13	ANDWB1237	Pond		45.253059	-93.350955
City of Andover	10/14/13	ANDWB1238	Pond		45.252254	-93.347337
City of Andover	10/14/13	ANDWB1239	Pond		45.247907	-93.343607
City of Andover	10/14/13	ANDWB1240	Pond		45.246585	-93.341357
City of Andover	10/14/13	ANDWB1241	Pond		45.232783	-93.372562
City of Andover	10/14/13	ANDWB1245	Pond		45.234023	-93.356801
City of Andover	10/14/13	ANDWB1246	Pond		45.228297	-93.365990
City of Andover	10/14/13	ANDWB1248	Pond		45.232404	-93.350824
City of Andover	10/14/13	ANDWB1251	Pond		45.233709	-93.338567
City of Andover	10/14/13	ANDWB1253	Pond		45.229391	-93.354797
City of Andover	10/14/13	ANDWB1254	Pond		45.226172	-93.350381
City of Andover	10/14/13	ANDWB1255	Pond		45.225704	-93.348191
City of Andover	10/14/13	ANDWB1256	Pond		45.221364	-93.354991
City of Andover	10/14/13	ANDWB1259	Pond		45.215214	-93.351240
City of Andover	10/14/13	ANDWB1260	Pond		45.213406	-93.351211
City of Andover	10/14/13	ANDWB1261	Pond		45.214701	-93.338394
City of Andover	10/14/13	ANDWB1265	Pond		45.223471	-93.329524
City of Andover	10/14/13	ANDWB1267	Pond		45.221173	-93.315097
City of Andover	10/14/13	ANDWB1268	Pond		45.215049	-93.329639
City of Andover	10/14/13	ANDWB1269	Pond		45.213383	-93.329028
City of Andover	10/14/13	ANDWB1270	Pond		45.216650	-93.327840
City of Andover	10/14/13	ANDWB1271	Pond		45.216882	-93.326522
City of Andover	10/14/13	ANDWB1272	Pond		45.215922	-93.325657
City of Andover	10/14/13	ANDWB1273	Pond		45.216338	-93.321305
City of Andover	10/14/13	ANDWB1274	Pond		45.215615	-93.317566
City of Andover	10/14/13	ANDWB1275	Pond		45.218758	-93.318358
City of Andover	10/14/13	ANDWB1276	Pond		45.212625	-93.314288
City of Andover	10/14/13	ANDWB1278	Pond		45.212588	-93.307493
City of Andover	10/14/13	ANDWB1279	Pond		45.217011	-93.308123

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB1280	Pond		45.218979	-93.307637
City of Andover	10/14/13	ANDWB1281	Pond		45.232553	-93.326285
City of Andover	10/14/13	ANDWB1283	Pond		45.233121	-93.316562
City of Andover	10/14/13	ANDWB1285	Pond		45.226774	-93.316947
City of Andover	10/14/13	ANDWB1286	Pond		45.226158	-93.323993
City of Andover	10/14/13	ANDWB1287	Pond		45.236643	-93.308297
City of Andover	10/14/13	ANDWB1288	Pond		45.233445	-93.307300
City of Andover	10/14/13	ANDWB1290	Pond		45.231463	-93.306992
City of Andover	10/14/13	ANDWB1292	Pond		45.228556	-93.305855
City of Andover	10/14/13	ANDWB1309	Pond		45.254616	-93.311953
City of Andover	10/14/13	ANDWB1310	Pond		45.254678	-93.311249
City of Andover	10/14/13	ANDWB1311	Pond		45.253788	-93.308230
City of Andover	10/14/13	ANDWB1312	Pond		45.252024	-93.310941
City of Andover	10/14/13	ANDWB1313	Pond		45.252515	-93.314757
City of Andover	10/14/13	ANDWB1319	Pond		45.250809	-93.305610
City of Andover	10/14/13	ANDWB1320	Pond		45.247632	-93.301772
City of Andover	10/14/13	ANDWB1321	Pond		45.245787	-93.301254
City of Andover	10/14/13	ANDWB1322	Pond		45.250109	-93.289226
City of Andover	10/14/13	ANDWB1324	Pond		45.250989	-93.267604
City of Andover	10/14/13	ANDWB1325	Pond		45.248984	-93.267004
City of Andover	10/14/13	ANDWB1326	Pond		45.248308	-93.271149
City of Andover	10/14/13	ANDWB1327	Pond		45.249364	-93.270849
City of Andover	10/14/13	ANDWB1328	Pond		45.250260	-93.269849
City of Andover	10/14/13	ANDWB1331	Pond		45.238660	-93.281269
City of Andover	10/14/13	ANDWB1332	Pond		45.237950	-93.281214
City of Andover	10/14/13	ANDWB1333	Pond		45.242482	-93.298356
City of Andover	10/14/13	ANDWB1334	Pond		45.238510	-93.303319
City of Andover	10/14/13	ANDWB1335	Pond		45.234421	-93.300311
City of Andover	10/14/13	ANDWB1336	Pond		45.232930	-93.298115
City of Andover	10/14/13	ANDWB1337	Pond		45.231561	-93.293754
City of Andover	10/14/13	ANDWB1338	Pond		45.232894	-93.300962
City of Andover	10/14/13	ANDWB1339	Pond		45.231815	-93.289696
City of Andover	10/14/13	ANDWB1340	Pond		45.232129	-93.286302
City of Andover	10/14/13	ANDWB1341	Pond		45.230175	-93.283478
City of Andover	10/14/13	ANDWB1342	Pond		45.229125	-93.280729
City of Andover	10/14/13	ANDWB1343	Pond		45.227670	-93.289201
City of Andover	10/14/13	ANDWB1344	Pond		45.228230	-93.287238
City of Andover	10/14/13	ANDWB1345	Pond		45.224112	-93.302303
City of Andover	10/14/13	ANDWB1346	Pond		45.220958	-93.304983
City of Andover	10/14/13	ANDWB1347	Pond		45.220381	-93.303223

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB1348	Pond		45.223565	-93.296968
City of Andover	10/14/13	ANDWB1349	Pond		45.226330	-93.289884
City of Andover	10/14/13	ANDWB1350	Pond		45.226150	-93.285624
City of Andover	10/14/13	ANDWB1354	Pond		45.221239	-93.285508
City of Andover	10/14/13	ANDWB1355	Pond		45.221754	-93.281376
City of Andover	10/14/13	ANDWB1357	Pond		45.226887	-93.273616
City of Andover	10/14/13	ANDWB1358	Pond		45.227702	-93.269596
City of Andover	10/14/13	ANDWB1359	Pond		45.226196	-93.269917
City of Andover	10/14/13	ANDWB1363	Pond		45.220269	-93.271427
City of Andover	10/14/13	ANDWB1364	Pond		45.221606	-93.266933
City of Andover	10/14/13	ANDWB1365	Pond		45.253417	-93.311866
City of Andover	10/14/13	ANDWB1366	Pond		45.223510	-93.304575
City of Andover	10/14/13	ANDWB1367	Pond		45.219256	-93.326549
City of Andover	10/14/13	ANDWB1368	Pond		45.250380	-93.315159
City of Andover	10/14/13	ANDWB1370	Pond		45.267580	-93.347612
City of Andover	10/14/13	ANDWB1371	Pond		45.269214	-93.350362
City of Andover	10/14/13	ANDWB1374	Pond		45.259999	-93.290278
City of Andover	10/14/13	ANDWB1375	Pond		45.260661	-93.288314
City of Andover	10/14/13	ANDWB1376	Pond		45.234932	-93.306855
City of Andover	10/14/13	ANDWB1377	Pond		45.238100	-93.280298
City of Andover	10/14/13	ANDWB1378	Pond		45.261526	-93.301132
City of Andover	10/14/13	ANDWB1379	Pond		45.225087	-93.305135
City of Andover	10/14/13	ANDWB1380	Pond		45.233225	-93.306621
City of Andover	10/14/13	ANDWB1382	Pond		45.247472	-93.326258
City of Andover	10/14/13	ANDWB1384	Pond		45.262724	-93.293954
City of Andover	10/14/13	ANDWB1385	Pond		45.264066	-93.295536
City of Andover	10/14/13	ANDWB1386	Pond		45.266665	-93.293903
City of Andover	10/14/13	ANDWB1390	Pond		45.245241	-93.327310
City of Andover	10/14/13	ANDWB1391	Pond		45.219576	-93.266111
City of Andover	10/14/13	ANDWB1394	Wetland		45.269857	-93.375363
City of Andover	10/14/13	ANDWB1395	Pond		45.264823	-93.376594
City of Andover	10/14/13	ANDWB1396	Pond		45.221606	-93.304682
City of Andover	10/14/13	ANDWB1397	Pond		45.221930	-93.304501
City of Andover	10/14/13	ANDWB1398	Pond		45.257763	-93.380333
City of Andover	10/14/13	ANDWB1412	Pond		45.257195	-93.302461
City of Andover	10/14/13	ANDWB1415	Pond		45.282640	-93.396832
City of Andover	10/14/13	ANDWB1416	Pond		45.281520	-93.396702
City of Andover	10/14/13	ANDWB1442	Pond		45.220467	-93.272135
City of Andover	10/14/13	ANDWB1464	Pond		45.239713	-93.297472
City of Andover	10/14/13	ANDWB1475	Pond		45.255323	-93.296968

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB1477	Pond		45.255856	-93.296704
City of Andover	10/14/13	ANDWB1478	Pond		45.256630	-93.297005
City of Andover	10/14/13	ANDWB1479	Pond		45.256077	-93.295784
City of Andover	10/14/13	ANDWB1480	Pond		45.258449	-93.295257
City of Andover	10/14/13	ANDWB1481	Pond		45.257980	-93.295557
City of Andover	10/14/13	ANDWB1491	Pond		45.222624	-93.285863
City of Andover	10/14/13	ANDWB1495	Pond		45.250066	-93.301073
City of Andover	10/14/13	ANDWB1498	Pond		45.253658	-93.305750
City of Andover	10/14/13	ANDWB1499	Pond		45.216994	-93.322344
City of Andover	10/14/13	ANDWB1503	Pond		45.261387	-93.302830
City of Andover	10/14/13	ANDWB1510	Pond		45.258211	-93.285376
City of Andover	10/14/13	ANDWB1514	Pond		45.254627	-93.292494
City of Andover	10/14/13	ANDWB1515	Pond		45.252652	-93.293946
City of Andover	10/14/13	ANDWB1528	Pond		45.259141	-93.286000
City of Andover	10/14/13	ANDWB1539	Pond		45.223021	-93.270733
City of Andover	10/14/13	ANDWB1540	Pond		45.229972	-93.362723
City of Andover	10/14/13	ANDWB1545	Pond		45.231301	-93.306837
City of Andover	10/14/13	ANDWB1548	Pond		45.253035	-93.315799
City of Andover	10/14/13	ANDWB1555	Pond		45.245042	-93.295219
City of Andover	10/14/13	ANDWB1557	Pond		45.241978	-93.296819
City of Andover	10/14/13	ANDWB1560	Pond		45.234207	-93.302737
City of Andover	10/14/13	ANDWB1568	Pond		45.252994	-93.296126
City of Andover	10/14/13	ANDWB1570	Pond		45.255104	-93.297209
City of Andover	10/14/13	ANDWB1577	Pond		45.261610	-93.297277
City of Andover	10/14/13	ANDWB1582	Pond		45.261430	-93.295969
City of Andover	10/14/13	ANDWB1583	Pond		45.261176	-93.296799
City of Andover	10/14/13	ANDWB1584	Pond		45.260966	-93.295971
City of Andover	10/14/13	ANDWB1589	Pond		45.283561	-93.391557
City of Andover	10/14/13	ANDWB1592	Pond		45.280787	-93.396971
City of Andover	10/14/13	ANDWB1593	Pond		45.278797	-93.394680
City of Andover	10/14/13	ANDWB1594	Pond		45.279256	-93.390432
City of Andover	10/14/13	ANDWB1597	Pond		45.279508	-93.404951
City of Andover	10/14/13	ANDWB1615	Pond		45.241306	-93.318908
City of Andover	10/14/13	ANDWB1617	Pond		45.258874	-93.289729
City of Andover	10/14/13	ANDWB1620	Pond		45.251944	-93.298457
City of Andover	10/14/13	ANDWB1621	Pond		45.252935	-93.305688
City of Andover	10/14/13	ANDWB1622	Pond		45.252559	-93.304139
City of Andover	10/14/13	ANDWB1623	Pond		45.252254	-93.299840
City of Andover	10/14/13	ANDWB1624	Pond		45.256527	-93.291546
City of Andover	10/14/13	ANDWB1625	Pond		45.254360	-93.296238

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB1626	Pond		45.254574	-93.299146
City of Andover	10/14/13	ANDWB1630	Pond		45.246118	-93.300265
City of Andover	10/14/13	ANDWB1632	Pond		45.234173	-93.306823
City of Andover	10/14/13	ANDWB1634	Pond		45.252706	-93.311707
City of Andover	10/14/13	ANDWB1642	Pond		45.271718	-93.341920
City of Andover	10/14/13	ANDWB1644	Pond		45.259833	-93.305539
City of Andover	10/14/13	ANDWB1647	Pond		45.268975	-93.293221
City of Andover	10/14/13	ANDWB1648	Pond		45.269462	-93.291672
City of Andover	10/14/13	ANDWB1649	Pond		45.265435	-93.295203
City of Andover	10/14/13	ANDWB1650	Pond		45.267532	-93.291237
City of Andover	10/14/13	ANDWB1653	Pond		45.277646	-93.323727
City of Andover	10/14/13	ANDWB1654	Pond		45.266848	-93.324619
City of Andover	10/14/13	ANDWB1655	Pond		45.268636	-93.322660
City of Andover	10/14/13	ANDWB1656	Pond		45.269584	-93.325262
City of Andover	10/14/13	ANDWB1657	Pond		45.287757	-93.310185
City of Andover	10/14/13	ANDWB1658	Pond		45.224979	-93.313947
City of Andover	10/14/13	ANDWB1663	Pond		45.228397	-93.316944
City of Andover	10/14/13	ANDWB1664	Pond		45.262922	-93.300768
City of Andover	10/14/13	ANDWB1665	Pond		45.257938	-93.315699
City of Andover	10/14/13	ANDWB1666	Wetland		45.257275	-93.314183
City of Andover	10/14/13	ANDWB1667	Wetland		45.256975	-93.311534
City of Andover	10/14/13	ANDWB1668	Pond		45.256581	-93.310529
City of Andover	10/14/13	ANDWB1669	Wetland		45.257402	-93.310544
City of Andover	10/14/13	ANDWB1670	Wetland		45.256110	-93.310425
City of Andover	10/14/13	ANDWB1671	Wetland		45.255730	-93.312767
City of Andover	10/14/13	ANDWB1673	Wetland		45.268648	-93.396840
City of Andover	10/14/13	ANDWB1674	Wetland		45.268168	-93.397266
City of Andover	10/14/13	ANDWB1675	Wetland		45.267844	-93.395894
City of Andover	10/14/13	ANDWB1676	Wetland		45.269577	-93.395276
City of Andover	10/14/13	ANDWB1677	Wetland		45.266797	-93.393367
City of Andover	10/14/13	ANDWB1678	Pond		45.269642	-93.392876
City of Andover	10/14/13	ANDWB1682	Pond		45.269192	-93.349162
City of Andover	10/14/13	ANDWB1683	Wetland		45.274705	-93.347770
City of Andover	10/14/13	ANDWB1684	Pond		45.275672	-93.352326
City of Andover	10/14/13	ANDWB1685	Wetland		45.213178	-93.303263
City of Andover	10/14/13	ANDWB1686	Pond		45.213756	-93.303525
City of Andover	10/14/13	ANDWB1691	Pond		45.212360	-93.305725
City of Andover	10/14/13	ANDWB1694	Wetland		45.268470	-93.375096
City of Andover	10/14/13	ANDWB1695	Wetland		45.267493	-93.376736
City of Andover	10/14/13	ANDWB1697	Pond		45.265145	-93.373567

Name of MS4 Permittee	Date form completed	Unique ID Number	Type of Feature (Pond, Wetland or Lake)	Feature Common Name (If Applicable)	Y Coordinate (Latitude) Decimal Degrees	X Coordinate (Longitude) Decimal Degrees
City of Andover	10/14/13	ANDWB1698	Pond		45.263348	-93.373501
City of Andover	10/14/13	ANDWB1699	Wetland		45.253345	-93.362587
City of Andover	10/14/13	ANDWB1700	Wetland		45.251562	-93.364319
City of Andover	10/14/13	ANDWB1701	Pond		45.245427	-93.308836
City of Andover	10/14/13	ANDWB1714	Wetland		45.222311	-93.365507
City of Andover	10/14/13	ANDWB2214	Wetland		45.283086	-93.378253
City of Andover	10/14/13	ANDWB1748	Pond		45.252807	-93.352768
City of Andover	10/14/13	ANDWB1752	Wetland		45.253836	-93.310480
City of Andover	10/14/13	ANDWB1755	Wetland		45.254965	-93.308250
City of Andover	10/14/13	ANDWB1759	Wetland		45.257048	-93.310083
City of Andover	10/14/13	ANDWB1768	Pond		45.267580	-93.390883
City of Andover	10/14/13	ANDWB1781	Wetland		45.272881	-93.322988
City of Andover	10/14/13	ANDWB1786	Wetland		45.275939	-93.323268
City of Andover	10/14/13	ANDWB1790	Wetland		45.278034	-93.321249
City of Andover	10/14/13	ANDWB1819	Wetland		45.273561	-93.350957
City of Andover	10/14/13	ANDWB1904	Wetland		45.278577	-93.396834
City of Andover	10/14/13	ANDWB1908	Pond		45.251919	-93.291629
City of Andover	10/14/13	ANDWB1909	Pond		45.250213	-93.292852
City of Andover	10/14/13	ANDWB1910	Pond		45.249230	-93.291759
City of Andover	10/14/13	ANDWB1911	Pond		45.249128	-93.294604
City of Andover	10/14/13	ANDWB1927	Pond		45.263862	-93.287186
City of Andover	10/14/13	ANDWB1981	Pond		45.286382	-93.309733
City of Andover	10/14/13	ANDWB1982	Pond		45.285668	-93.307272
City of Andover	10/14/13	ANDWB1993	Pond		45.261370	-93.367358
City of Andover	10/14/13	ANDWB1994	Wetland		45.215675	-93.333968
City of Andover	10/14/13	ANDWB1997	Pond		45.213695	-93.340022
City of Andover	10/14/13	ANDWB1998	Pond		45.229690	-93.349210
City of Andover	10/14/13	ANDWB1999	Wetland		45.229463	-93.350930
City of Andover	10/14/13	ANDWB2033	Pond		45.252605	-93.322327
City of Andover	10/14/13	ANDWB2042	Pond		45.250365	-93.330725
City of Andover	10/14/13	ANDWB2057	Pond		45.249188	-93.269972
City of Andover	10/14/13	ANDWB2058	Wetland		45.248916	-93.268212
City of Andover	10/14/13	ANDWB2106	Wetland		45.261264	-93.362980
City of Andover	10/14/13	ANDWB2187	Wetland		45.265511	-93.357047
City of Andover	10/14/13	ANDWB2188	Pond		45.267952	-93.355488
City of Andover	10/14/13	ANDWB2189	Pond		45.267860	-93.356235
City of Andover	10/14/13	ANDWB2190	Pond		45.273434	-93.357215
City of Andover	10/14/13	ANDWB2196	Wetland		45.242234	-93.306807
City of Andover	10/14/13	ANDWB2197	Wetland		45.243864	-93.306973
City of Andover	10/14/13	ANDWB2198	Wetland		45.245215	-93.306924

